13/10/03

Quality Control

		DQA:	Date:
NCR: Yes /	No WORK ORDER NON-CONFORMANCE / UPDATE		•

									·		QA Closed:	Date	e:
Work Orde	ء ن					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part N	ا ۱۰۰					Rework Scrap Use-as-is Work Order Update			Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update	Ti	nitial	Ac	ction	Sign &		
Cause		Date	Step	Qty	1	or Non-conformance	Ch	ief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup	Ш												
Other													
Process													
Supplier							1						
Training													
Unapproved							<u> </u>				<u> </u>		
							AUI	T CATE	GORY				
Landi	_	1				General		1			1	۲	¬. "
		Bending				Bend	-	Grain		<u> </u>	Ovalized	F	Pressure/Forced
		4	ot Conce	ntric to (	o/s	BOM/Route	-	Hardwa		ļ	Over/Under	<del> -</del>	Temperature/Cure
	<u> </u>	Cracks				Broken/Damaged	-	1	ion Incomplete	,, , <del> </del>	Part Incorre	<u> </u>	Weld
	<u> </u>	Crushed/	Crimped		⊢	Burrs	$\vdash$	4	ions Incomplete/	/Unclear	Part Lost/Mi	ssing _	Wrong Stock Pulled
	_	Cuffs			-	Contamination	<u> </u>	Mainte		<u> </u>	Part Moved	W	
	⊢	Heat Tre			<u> </u>	Countersink	<u> </u>	Mislabe		<u> </u>	Positioned V		704h a r
	⊢	Inspection	•	fube	<u> </u>	Cut Too Short	$\vdash$	Misread	d		Power Loss/	Surge [	Other
	<u> </u>	Ripples ii			<u> </u>	Drill Holes	-	Offset	- 111 · ·				
}	$\vdash$	1 .	Vaves in E		n	Drawing	-	4	Calibration				
	$\vdash$	1 -	Sequence		<u> </u>	Finish	$\vdash$	<del>1</del>	Sequence				
I	1	Wave/Tv	vist in Tul	be	i	Folio	1	1Outside	Dimensions				

	·, !										
<b>Work Ord</b> September-27-1				*107	642*						Page 2
Item ID: Revision ID: Item Name:	D3009-3 Cup			Accept	*N900	040	110	<b>)</b> *	Setup Star Stop	I ZI	S1* S2*
Start Date: Required Date Reference:	9/27/13 : 9/27/13	Start Qty: 24.00 Req'd Qty: 24.00	*24* *24*	•	Cust Item : Customer:				Stan		
Approvals:	Process Pl	lan:	Date:	Tooling: SPC (Y/N):		ate:		I	Run Star Stop	, " <b>!\</b>	R1* R2*
Sequence ID/ Work Center I 120 *120* QC Quality Control	D	Operation Description QC8- Inspect parts - seco	nd check	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty 2 4	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging Packaging		Identify as per dwg & Sto  Memo  *****STOC	K IN LARGE FAB****	0.00				24			13-40-0

0.00

0.00

140

\*140\*

Quality Control

QC21- Final Inspection - Work Order Release

Memo

13/10/10.

\$10-10-9

											DQA:	Date:	
NCR:	Yes /	No				WORK ORDER NON-C	CON	FORM	MANCE / UPDATE		QA Closed:	Date:	
Work Orde	er.					DISPOSITION			AGA	INST DE	PARTMENT		
Part N	Part No.  NCR No.  Root Cause Date Step Qty  oc/Data quip/Tooling perator daterial etup ther rocess upplier raining				Rework Scrap Use-as-is Work Order Update			Skid-tube Crosstube Small Fab Thermoforming Finishing Composite			Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other	
Root					Descri	ption of work order update	ln	itial	Action		Sign &		
Cause	1	Date	Step	Qty		or Non-conformance	Chie	ef Eng	Description		Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling													
Operator	П												
Material							1						
Setup													
Other							•						
Process													
Supplier		i					İ						
Training	П												
Unapproved													
						F	AULT	CATE	GORY	-			
Landi	ng Gea	r	•	•		General					_		
	Be	nding				Bend		Grain		L	Ovalized		Pressure/Forced
	Ce	ntre No	t Conce	ntric to	o/s	BOM/Route	١	Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cra	acks				Broken/Damaged	□li	nspecti	on Incomplete		Part Incorred	ct	Weld
	Cre	ushed/0	Crimped			Burrs	□ l	nstruct	ions Incomplete/Unclear		Part Lost/Mi	ssing	Wrong Stock Pulled
	Cu	ffs				Contamination		Mainte	nance		Part Moved		
		at Troa	+			Countersink		Miclaho	led		Positioned V	Vrong	

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Other

Power Loss/Surge

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

September-27-13 1:05:11 PM

Work Order ID:

107642

Parent Item:

D3009-3

Parent Item Name:

Cup

**Start Date:** 9/27/13

Required Date: 9/27/13

**Start Qty: 24.00** 

Required Qty: 24.00

Comments:

IPP A 07.12.18new issue EC

IPP Rev:B 08-01-08 ECN 1089 rev:b as per dwg DD veryfied by:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304R1.000 304 round bar 1.00		Purchased	No			110	f	19.7190	0.0479	1.2101064			
Je 7.10 <b></b> 0 <b></b> 7.70				Location		Loc Qty	<u>Lo</u>	c Code					
				MAT012		19.719				<del></del>			
				m12	6726	19.719			<u> </u>	<u> 21 '</u>	压 13/10	5/03	

						-			DQA:	Date:	
NCR: Y	es / No				WORK ORDER NON-C	ONF	ORN	MANCE / UPDATE	QA Closed:	Date:	
Work Orde					DISPOSITION			AGAINST DE	PARTMENT	PROCESS	
Part N	lo.		- Park		Rework Scrap Use-as-is Work Order Update		<b>!</b> Therm	Skid-tube Crosstube Machining Small Fab noforming Finishing Large Fab Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update	lni	tial	Action	Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Chie	f Eng	Description	Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling				Í							
Operator											
Material										•	
Setup				l							
Other			i								
Process											
Supplier											
Training											
Unapproved											
					F	AULT	CATE	GORY			
Landi	ng Gear				General				1		1
	Bending				Bend	-	ìrain	<del></del>	Ovalized	<u> </u>	Pressure/Forced
	Centre N	lot Conce	ntric to	O/S	BOM/Route	$\vdash$	lardwa	<del> </del>	Over/Under		Temperature/Cure
	Cracks	:	1.1	<u> </u>	Broken/Damaged	$\blacksquare$	-	on Incomplete	Part Incorred		Weld
	Crushed	/Crimped		<u></u>	Burrs			ions Incomplete/Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuffs			<u></u>	Contamination	Ш,	/lainte	nance	Part Moved		
	Heat Tre	eat			Countersink	<sub>N</sub>	/lislabe	eled	Positioned V	Vrong	

Misread Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Power Loss/Surge

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes Drawing

Finish

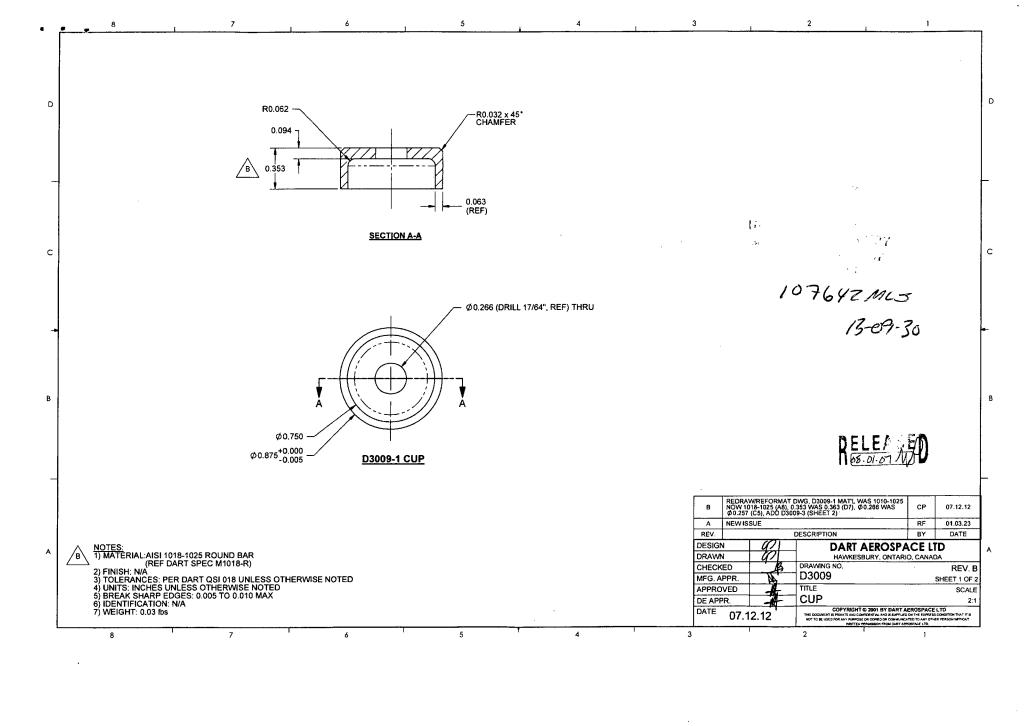
Folio

DART AEROSPACE LTD	Work Order:	107692
Description: Cup	Part Number:	D3009-3
Inspection Dwg: D3009 Rev: B		Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

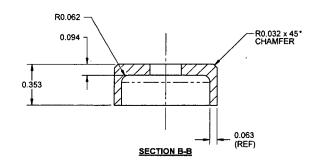
	FIRST	ARTICLE IN	NSPECTI	ON CHE	ECKLIST		
	x	First Arti	cle	Prot	otype		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection		Comments
Ø0.875	+0.000/-0.005	-873	/	<del>-</del>	VERN	PLID	12
Ø0.750	+0.008/-0.001	. 750	/		P	11	
Ø0.266	+0.006/-0.001	. 266			11	11	
R0.062	+/-0.010	.062	/		Rod G		
0.094	+/-0.010	.094	1		Kas	P40	· 12
0.353	+/-0.010	353	1		,,	•	
0.063	+/-0.010	. 062			15	-2	
R0.032 x 45°	+/-0.010	- 037			11	,	
Measured by:	0ASAS 4044 2899 m	Audited by:	Lis		Prototype A	oproval:	N/A
Date:	13/10/02	Date:	3-10-	27		Date:	N/A
Rev Date	Change				R	evised b	y, Approved

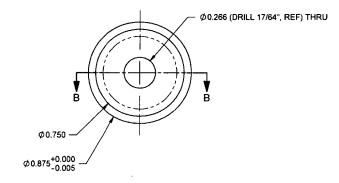
Rev	Date	Change	Revised by,	Approved
Α	08.01.22	New Issue	KJ/EC/DD	



107642

С





D3009-3 CUP

NOTES:
1) MATERIAL:AISI 304/316 STAINLESS STEEL ROUND BAR
(REF DART SPEC M304R)
2) FINISH: NIA
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.03 lbs

DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN DRAWING NO. CHECKED REV. B D3009 MFG. APPR. SHEET 2 OF 2 APPROVED TITLE SCALE CUP DE APPR. 2:1 COPYRIGHT © 2001 BY DART AEROSPACE LTD
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